

Message Text

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SUBJECT:NSF-YUGOSLAVIA PROGRAM. U.S.-YUGOSLAV EARTHQUAKE
CONFERENCE, FALL, 1979

REF: A) BRAINARD - MALLOY TELECON OF SEPTEMBER 30, 1977
B) BELGRADE 6910

1. THE FIRST MEETING OF THE U.S. PLANNING COMMITTEE FOR THE
SUBJECT CONFERENCE WAS HELD AT NSF ON JUNE 26. THE U.S.
COMMITTEE IS NOW COMPOSED OF THE FOLLOWING, PERMANENT
MEMBERS:

- 1) DR. CLARENCE ALLEN, CALIFORNIA INSTITUTE OF TECHNOLOGY,
CHAIRMAN
 - 2) DR. CARL KISSLINGER, UNIVERSITY OF COLORADO
 - 3) DR. ROBERT DIETRICH, U.S. GEOLOGICAL SURVEY, MENLO
PARK, CALIFORNIA
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4. DR. ROBERT HAMILTON, U.S. GEOLOGICAL SURVEY, D.C.
5. DR. ROY HANSON AND DR. LEONARD JOHNSON, NSF GEOPHYSICS
PROGRAM.

2. THE U.S. COMMITTEE WAS CONCERNED OVER THE PROLIFERATION
OF INTERNATIONAL CONFERENCES SCHEDULED FOR THE NEXT TWO YEARS
ON EARTHQUAKE PREDICTION, THE UNESCO CONFERENCE IN APRIL, 79

AND THE CANBERRA CONFERENCE IN FALL, 79 BEING THE PRIME

EXAMPLES. CONSEQUENTLY THE COMMITTEE UNANIMOUSLY MOVED TO MODIFY THE ORIGINAL PREDICTION TOPIC, TO INCLUDE PREDICTION, BUT TO GIVE THE CONFERENCE A MORE TIMELY FOCUS AND ONE MOST LIKELY TO ATTRACT FIRST-RATE PARTICIPANTS WORLD-WIDE.

3. THE NEW TITLE THE U.S. COMMITTEE PROPOSES FOR THE CONFERENCE IS "INTERNATIONAL CONFERENCE ON INTRA-CONTINENTAL EARTHQUAKES." THIS TOPIC COVERS SOME ASPECTS OF PREDICTION, IS STILL WITHIN THE EARTH SCIENCES PROPER, BUT AVOIDS ENGINEERING (THE EMPHASIS FOR THE SECOND CONFERENCE). THERE HAS NOT BEEN AN INTERNATIONAL MEETING ON EARTHQUAKE STRESS FOR A LONG TIME. "THIS TOPIC," TO QUOTE ONE U.S. MEMBER, "WILL DO MORE FOR PREDICTION THAN PREDICTION, AND THE TIMING IS EXCELLENT." THE PROPOSED TOPIC IS OF INTEREST TO ALL POTENTIAL PARTICIPANTS AND IT MAKES YUGOSLAVIA A PARTICULARLY GOOD LOCALE FOR HOSTING SUCH A CONFERENCE. IN ADDITION, INTRA-PLATE EARTHQUAKES HAVE A REAL ATTRACTION FOR CHINESE AND RUSSIAN GEOPHYSICISTS.

4. THE U.S. COMMITTEE DEFINED FOUR SUB-TOPICS UNDER THE UMBRELLA OF INTRA-CONTINENTAL EARTHQUAKES:

1) STRESS IN THE CONTINENTAL CRUST A) IN-SITU STRESS MEASUREMENTS B) SEISMOLOGICAL TECHNIQUES;
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2) INDUCED SEISMICITY A) RESERVOIR INDUCEMENT B) FLUID INJECTION C) THEORY AND LABORATORY EXPERIMENTS;
3) CONTINENTAL SEISMOTECTONICS A) PLATE BOUNDARIES IN CONTINENTAL INTERIORS B) INTRA-PLATE EARTHQUAKES C) FAULT-SLIP HISTORIES;
4) PREDICTION AND SEISMIC GAPS A) EVALUATION OF PRECURSORS B) PREDICTION THEORY C) IDENTIFICATION AND EVALUATION OF SEISMIC GAPS.

5. BECAUSE OF THE NEW DEFINITION OF THE TOPIC FOR THE CONFERENCE, THE COMPOSITION OF THE U.S. COMMITTEE HAS BEEN MODIFIED TO REFLECT THIS CHANGE OF EMPHASIS. FOR THE YUGOSLAV COMMITTEE'S INTEREST, THE RESEARCH SPECIALTIES OF THE U.S. COMMITTEE ARE AS FOLLOWS: DR. ALLEN: SEISMO-TECHNICS; DR. DIETRICH: ROCK-MECHANICS; DRS. KISSLINGER, HANSON, AND HAMILTON: SEISMOLOGY. GIVEN THE ABOVE, THE YUGOSLAVS MAY WISH TO BROADEN THE COMPOSITION OF THEIR COMMITTEE. THE U.S. COMMITTEE MENTIONED, IN PARTICULAR, ONE YUGOSLAV SCIENTIST WITH EXPERTISE IN THIS AREA, DR. M. ARSOVSKI, OF SKOPJE, WHO IS A SEISMO-TECTONICS GEOLOGIST.

6. THE U.S. COMMITTEE HAS PREPARED THEIR TENTATIVE LIST

OF POTENTIAL INVITEES/PARTICIPANTS AND TIED INDIVIDUAL

SCIENTISTS TO SPECIFIC RESEARCH AREAS. THIS LIST WILL PROVIDE THE U.S. INPUT WHEN THE TWO COMMITTEES MEET IN YUGOSLAVIA.

7. THREE MEMBERS OF THE U.S. COMMITTEE WILL BE IN EUROPE AT THE END OF SEPTEMBER - EARLY OCTOBER ON OTHER BUSINESS. THEREFORE, THEY HAVE PROPOSED OCTOBER 5-6, AS THE DATES MOST SUITABLE FOR THEM TO CONFER WITH THE YUGOSLAV COMMITTEE IN SKOPJE OR WHEREVER THE YUGOSLAVS SUGGEST. THESE MEMBERS INCLUDE DRS. ALLEN, HAMILTON, AND DIETRICH. THESE DATES WOULD COINCIDE NICELY WITH THE U.S.-YUGOSLAV JOINT BOARD MEETING. (THESE U.S. MEMBERS, AND DR. ALLEN, UNCLASSIFIED

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IN PARTICULAR, HAVE VERY HEAVY TIME COMMITMENTS. THE IMPORTANCE OF THIS OPPORTUNITY FOR ALL THREE MEMBERS TO MEET THEIR YUGOSLAV COUNTERPARTS SHOULD BE STRESSED. AN ALTERNATIVE DATE IN NOVEMBER WOULD BE POSSIBLE, BUT DIFFICULT, AND ALL THREE U.S. MEMBERS WOULD PROBABLY NOT BE ABLE TO ATTEND.)

8. THE U.S. COMMITTEE HAS IDENTIFIED A NUMBER OF TOPICS FOR THE FIRST JOINT MEETING OF THE COMMITTEES. THESE TOPICS INCLUDE: 1) SETTING A FIXED DATE FOR THE CONFERENCE 2) PREPARING A MUTUALLY AGREEABLE LIST OF PARTICIPANTS, TO BE TIED TO SPECIFIC PAPERS 3) DETERMINING PROCEDURES FOR INVITING THE PARTICIPANTS 4) DECIDING THE FORM OF MANUSCRIPT AND TYPE OF PUBLICATION FOR THE PROCEEDINGS OF THE CONFERENCE. THE U.S. COMMITTEE WOULD APPRECIATE RECEIVING ANY YUGOSLAV SUGGESTIONS OF OTHER TOPICS TO BE COVERED IN THIS FIRST MEETING.

9. NSF REQUESTS THE EMBASSY TO CONVEY THE SUBSTANCE OF THIS INFORMATION TO THE YUGOSLAV COMMITTEE AND TO PROPOSE OCTOBER 5-6 AS DATES FOR THE FIRST MEETING OF THE TWO COMMITTEES. BECAUSE OF TRAVEL SCHEDULES AND THE BEGINNING OF THE ACADEMIC YEAR, THE U.S. COMMITTEE MEMBERS WILL NEED TO KNOW IN THE VERY NEAR FUTURE WHETHER OCTOBER 5-6 IS AN ACCEPTABLE DATE FOR THE YUGOSLAVS. CHRISTOPHER

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